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OXC-6709-64
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MEMORANDUM FOR THE RECORD

1 APR 1964

SUBJECT : Trip Report, Life Support Equipment

As a result of the March 24 meeting at [] on Life Support Equipment, the following status of equipments is established.

25X1A

1. LAC

a. Oxygen flow balancing valve completely designed. One valve now in test. Will be ready for aircraft installation April 1, 1964. Delivery of qualified production valves to start May 25, 1964.

b. Installation of 3000 PSI oxygen systems now accomplished in Aircraft 131, 134, and 135. Kits available at this time for service bulletins 448 and 449 which installs this system in Aircraft 121, 122, 125, 126, and 127 thru 131. Service bulletin 448 (2) kits filled. Need (2) more kits. Service bulletin 449 (1) kit filled. Need three (3) more 449 kits.

c. Suit vent pressure regulator prototype valve will be available for aircraft installation on March 26. Production regulators will be available on service bulletin 505 and 506 (Rear 124) starting May 15.

d. Oxygen low pressure warning light ECP in progress, to be submitted.

e. Stowing of rudder pedals has been approved by the pilots at [] These are now installed in Aircraft 128 and 124. Service bulletin 537 has been released to install these in all other aircraft. First kits promised by May 11, 1964.

f. Parachute release incorporating stabilization chute release and main parachute deploy is in prototype stage. Three (3) to be finished March 23. Qualification tests are defined and will be completed by May 24. First production delivery of these releases to be on June 1.

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2. Firewel Co.

Design of the single pan concept to incorporate 80 cu. in. of emergency oxygen in duality plus the parachute releases to be completed by 15 April.

3. David Clark Co.

a. Pressure suit gloves with relocated seams. First pair to be shipped for evaluation on 6 April.

b. Eight (8) pair of modified gloves with improved stick feel have been shipped. The remaining three pair will be shipped by 15 April.

c. Pressure suit helmet with integrated oxygen mask. By 1 July this helmet will be ready for evaluation at It will incorporate a larger shell to facilitate evaluation by all pilots.

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d. The six urine bladders for use with the full pressure suit will be shipped by 10 April.

e. The on-going program to fix all malfitting suits will be completed by 1 July.

f. The pressure suit helmet which is being modified to include a semi-rigid face barrier, internal sunshade, helmet adjustment knob, shielded communications and lightweight earphones and in flight feeding part will be completed by 6 May.

Qualification by LAC of the new parachute release is the pacing item for the modified parachute system test program. The test program will start when required parachutes are ready for delivery by Firewel Co. It is planned to complete this test program in 30 working days.

Aircraft Systems Division
(Special Activities)

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ASD/OSA/ [REDACTED] 1 (1 April 1964)

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- 6 - OAC/OSA
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- 9 - ASD/OSA (chrons)
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